# TECHNICAL APPLICATION FOR A CONTAINED SOLID WASTE LANDFILL

DEP 7069A (9/91)

# COMMONWEALTH OF KENTUCKY NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DIVISION OF WASTE MANAGEMENT 18 REILLY ROAD

FRANKFORT, KENTUCKY 40601

## DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WASTE MANAGEMENT

#### TECHNICAL APPLICATION

#### GENERAL INSTRUCTIONS

- 1. **USE OF THIS APPLICATION** This form is to be used to submit the design drawings and technical specifications for a proposed landfill or modification to an existing site to the Natural Resources and Environmental Protection Cabinet.
- 2. **PREPARATION ASSISTANCE** Questions regarding this application form should be directed in writing to the Division of Waste Management, Solid Waste Branch, 18 Reilly Road, Frankfort, Kentucky 40601, or by calling (502) 564-6716.
- 3. **SUBMISSION** Submit the original and three (3) copies of the completed application to the Division of Waste Management, 18 Reilly Road, Frankfort, Kentucky 40601, Attention: Solid Waste Branch. Also, submit the following plans:
  - 1 set folded to 8 ½ inches by 11 inches; and
  - 2 rolled sets.

If an item cannot be answered, leave it blank. If an item does not appear to be applicable to your application, write "N/A" for "not applicable."

4. **LAWS AND REGULATIONS** - Applicants are expected to understand and comply with all laws and regulations applicable to solid waste facilities. This application referenced 401 Chapters 47 and 48.

### ADMINISTRATIVE INSTRUCTIONS FOR THE ENGINEERING DRAWINGS

- a. The cover sheet shall bear the professional engineers seal, original signature, and date in accordance with 401 KAR 47:190 Section 1.
- b. The Division requires that the maximum plan sheet not exceed 24" x 36" as specified in 401 KAR 47: 180 Section 5(1) for executive summaries.
- c. Each plan sheet should have a title block in the lower right corner. The title block should contain: sheet title, facility title, applicant name, address, and the engineering firm's name and address.
- d. Each plan sheet should have a latest revision date block showing all revision dates in accordance with 401 KAR 47:160 Section 8(2)(b).
- e. Each sheet shall have the appropriate scale to show all required detail in accordance with 401 KAR 47: 160 Section 8(2)(a).
- f. The plan cover sheet shall include an index of plans, the facility name, county, and application number. Show each drawing title on the index of plans in accordance with 401 KAR 47:160 Section 8(1)(b) and 8(2)(b). (The cabinet recommends the use of the page number system suggested in this application.)
- g. Each set of plans shall include a legend of all drafting symbols used in accordance with 401 KAR 47: 160 Section 8(2)(b).
- h. All lettering and drafting details shall be legible on reduced scale plans in accordance with 401 KAR 47:Section 8(2)(a).
- i. Each plan sheet shall contain a common stationed straight baseline or offset baseline, a north arrow, and comply with 401 KAR 47:160 Section 8(2)(b) and 401 KAR 47:190 Section 2(2)(b)3.
- j. Match lines should refer to the appropriate sheet numbers containing the other corresponding match line.
- k. The plan sheets should clearly show the 1000 by 1000 foot grids referenced to an established site specific bench mark in accordance with 401 KAR 47:160 Section 8(2)(f).
- l. Show survey grid locations and reference major plan sheets on all cross-sections as required by 401 KAR 47:160 Section 8(2)(h).

## SOLID WASTE LANDFILL TECHNICAL APPLICATION

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- B. Design Plans
- C. Narrative
- D. Liner Design
- E. Construction Quality Control Plan
- F. Recordkeeping and Reporting
- G. Surface Water, Groundwater, and Corrective Action
- H. Closure, Closure Care and Performance Bond
- I. Public Notice
- J. Certification

## RESIDUAL SOLID WASTE LANDFILL TECHNICAL APPLICATION

#### **ATTACHMENTS**

NUM	BER DESCRIPTION	PAGE
1.	Plans	
2.	Water Quality Certification	
3.	Floodplain Narrative	
4.	Surface Water & Sediment Pond Design	
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6.	Stability Description	
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12.	Explosive Gas Monitoring Program	
13.	Road Design Narrative	
14.	Safety and Communication Plan	
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16.	Leachate Storage Tanks	
17.	Waste Inspection	·
18.	Public Access Control	
19.	Water Controls Maintenance	·
20.	Working Face Procedures	
21.	Bottom Liner Specifications	
22.	Construction Quality Control Plan	
23.	Recordkeeping System	
24.	Surface Water Monitoring Locations	
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29.	Closure Cost Estimate	
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## NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET DEPARTMENT FOR ENVIRONMENTAL PROTECTION DIVISION OF WASTE MANAGEMENT 18 REILLY ROAD FRANKFORT. KENTUCKY 40601

#### APPLICATION FOR A CONTAINED SOLID WASTE LANDFILL

#### TECHNICAL APPLICATION

<b>A.</b>	GENERAL INFORMATION	
1.	NameAddressState	
	CityState Telephone Number ()	Zip Code
2.	County	
3.	Application Number	
4.	Fee Amount	
В.	DESIGN PLANS (401 KAR 47:190 Section 2)	

Submit 3 copies of the plans showing the design of the site. Label as **Attachment 1**. Refer to the detailed administrative instructions for the engineering drawings.

Number the drawings as follows:

- 1. A drawing of the entire site on one sheet showing:
  - Current site conditions
  - Site development plan including buffer zones
  - Location of monitoring points for:
    - Surface Water
    - Ground Water
    - Methane; and
    - Baselines

- 2. Site plans drawn to 1 inch = 100 feet (or Cabinet-approved alternative scale) showing:
  - **Development Plan**
  - Location of monitoring points Baseline or off-set baseline
- 3. **Cross-Sections at:** 
  - 100 Foot intervals
  - Vertical scale of 1 inch = 10 feet
  - Horizontal scale of 1 inch = 100 feet
- Drawing of the profile along each baseline. 4.
- Proper site development including the sequence of filling (i.e. units, phases, working areas). 5.
- 6. Construction details.
- Include typical details for the following features of the cell: 7.
  - Lifts
  - Liners
  - Daily Cover
  - Interim Cover
  - Long Term Cover
  - Final Cover

#### Show the applicable items on the appropriate drawings:

ITEM Proposed & Final Surface Contours	DRAWING NUMBER 1 & 2	REQUIREMENT 48:070 Section 2(2)
Run-On Ditches	2 & 6	48:070 Section 2(3)
Run-Off Ditches	2 & 6	48:070 Section 2(3)
Sediment Basin	2 & 6	48:070 Section 2(4)
Separate Area to Unload Burning Wastes	2	48:070 Section 5(1)
Area to Unload Pick-Up Truck and Automobile Transported Waste	2	48:070 Section 5(2)
Area for Recycling or Salvageable Materials	2	48:070 Section 5(3)
Borrow Areas	2 & 5	48:070 Section 8
Personnel Facilities	2	48:070 Section 9(1)
<b>Equipment Maintenance Facilities</b>	2	48:070 Section 9(2)
Road from Publicly Maintained Highways	2	48:070 Section 11(1) & 11(6)
All-Weather Perimeter Road	1	48:070 Section 11(2)
Location of Scales	2	48:070 Section 13
Leachate Storage Tank Design	2 & 6	48:070 Section 14
Access Control	2 & 6	48:090 Section 6
Temporary Diversion Ditch Around Working Face (Typical Detail)	6	48:090 Section 7 (2)(c)
Sign(s) Location	2 & 6	48:090 Section 14

C.	NARR	ATIVE (401 KAR 47:190 SECTION 3)	
1.	(a)	Will waste be placed within 250 feet of an intermittent Yes No	or perennial stream?
	(b)	If yes, enclose the 401 Water quality certification that KAR 5:029 through 5:031. Label as <b>Attachment 2</b> (4	
2.		e the information requested in 401 KAR 48:050 Section s the waste disposal area within:	1(2)-(7) by checking the appropriate
	(a)	The zone of collapse of deep-mine workings or within Yes No	the critical angle of draw?
	(b)	250 feet of a karst Terrain feature? Yes No	-
	(c)	250 feet of the property line? Yes No	
	(d)	250 feet of a residence? Yes No	
	(e)	50 feet of a gas, sewer, or water line? Yes No	
	(f)	250 feet of an unplugged well (other than monitoring)?	Yes No
3.		lepth to the seasonal high groundwater table to the botto se residual landfills without liners) four feet or greater?	
4.	(a)	Is this proposed site located in the 100 year floodplain?	? Yes No
5.	(a)	Would the waste boundary be within 5,000 feet of a ru Yes No	naway used by only piston-type aircraft?
	(b)	If the answer to (a) is yes, would the waste boundary bused by turbo jet aircraft? Yes No	e within 10,000 feet of any airport runway
6.	-	proposed waste cell within 200 feet of a fault that has ha No	nd displacement in holocene time?
7.	Enclos	e as <b>Attachment 4</b> , a description of the surface water co	
		n and Run-Off Ditch Design Calculations passing a our storm	REQUIREMENT 48:060 Section 1(1)(b)
Sedime	ent Basir	1	48:060 Section 1(1)(c)

8.	(a)	Is the proposed site located within a seismic impact zone? Yes	s No
	(b)	If the answer to 9(a) is yes, state the maximum anticipated hor material for the site:	
	(c)	If the answer to 9(a) is yes, enclose a narrative describing how above for the following items:  Containment structures  Liners  Leachate collection systems  Surface water control systems  Label as <b>Attachment 5</b> , Refer to 401 KAR 48:070 Section 3.	the design resists the acceleration
9.	(a)	Describe the proposed site area as stable or unstable based on  On-site or local soil conditions that may result in significant  On-site or local geologic or geomorphlogic features;  On-site or local man-made features:  surface  sub-surface	<u>e</u>
	(b)	If the site is described as unstable, describe the engineering me  liners  leachate collection systems  final cover  run-on and run-off systems  other components necessary for the protection of the human	·
	(c)	Label as <b>Attachment 6</b> . (Refer to 401 KAR 48:070 Section 4	.)
10.		be, in <b>Attachment 7</b> , the following required separate areas and ng of certain wastes:	procedures to allow the safe
	AREA Burnin	g Wastes	REQUIREMENTS 48:070 Section 5(1)
	Wastes	s from Pick-Up Trucks and Automobiles	48:070 Section 5(2)
	Salvag	eable or Recyclable Materials	48:070 Section 5(3)

- 11. Complete the tables in **Attachment 8**, regarding equipment information. The listed equipment must comply with 48:070 Section 6.
- 12. Enclose the proposed recordkeeping forms for operation and maintenance of the equipment. Label as Attachment 9. Refer to 401 KAR 48:070 Section 6(8).
- 13. Describe any changes to the amount of soil required for the proposed design liner, cap cover, and other cover design since the approval of the Administrative Application as required by 48:070 Section 8. Label as **Attachment 10**.

14. Describe, in **Attachment 11**, the following facilities required for the corresponding type of landfill:

FACILITY Employee REQUIREMENTS 48:070 Section 9(1)

**Equipment Maintenance** 

48:070 Section 9(2)

- 15. Describe, in **Attachment 12**, the explosive gas monitoring program as required by 48:070 Section 10. Applicants must describe the potential for gas emissions and odors based on the waste characteristics and the proposed landfill design.
- 16. Describe, in **Attachment 13**, the following roads for the corresponding type of landfill:

ITEMREQUIREMENTSInternal Road Design48:070 Section 11(3)

Traffic Loading & Storage

48:070 Section 11(5) & 11(6)

- 17. Describe, in **Attachment 14**, the landfill safety and communication plan as required by 48:070 Section 12.
- 18. Provide a description of scales to weigh all incoming wastes as required by 401 KAR 48:070 Section 13. Label as **Attachment 15**.
- 19. Include, in **Attachment 16**, a description of the leachate collection system, storage, treatment removal as required by 48:070 Section 14. Also, complete the information required by Attachment 16A regarding the leachate collection system.
- 20. Provide in **Attachment 17**, the procedure to inspect and restrict the disposal of unauthorized waste as required by 48:090 Section 2.
- Describe, in **Attachment 18**, the procedures to control access by the public as required by 48:090 Section 6.
- 22. Specify in **Attachment 19**, the following information for maintenance of surface water controls as required by 401 KAR 48:090 Section 7(2):
  - Method and frequency to remove sediment, debris, wastes and soil from run-off control structures, to maintain design capacity
  - Construction, maintenance and recording of temporary diversion ditches around the working face. Include:
    - typical design calculation
    - method of recording location on an engineering drawing
    - general placement instructions to operator
- 23. Describe, in **Attachment 20**, how the applicant will comply with the working face requirements required by 48:090 Section 9.

24.	Complete the information requested below for placement on the landfill sign at the landfill entrance as required by 48:090 Section 14:
	Landfill Nama
	Landfill NameName of Owner
	Name of Operator
	Name of Operator to to
	Days to Receive Waste to
	Days to Receive Waste to Permit Number(To be assigned by Division upon Permit Issuance)
	Emergency Telephone Number ()
D.	LINER DESIGN (401 KAR 47:190 SECTION 7)
1.	Submit, as <b>Attachment 21</b> , the design specifications for the bottom liner as required by 48:080 Sections 1-7, 10.
E.	CONSTRUCTION QUALITY CONTROL PLAN (401 KAR 47:190 SECTION 6)
1.	Describe, in <b>Attachment 22</b> , the Construction Quality Control (CQC) Plan as required by 48:080 Section 3(3), 4(3) and 5(3).
F.	RECORDKEEPING AND REPORTING (KAR 47:190 SECTION 8)
1.	Enclose, as <b>Attachment 23</b> , the landfill recordkeeping and reporting system as required by 401 KAR 47:190 Section 8. The applicant may use the record keeping forms provided by the Cabinet or submit a different form for review by the Cabinet.
G.	SURFACE WATER, GROUNDWATER, AND CORRECTIVE ACTION (401 KAR 47:190 SECTION 5)
1.	Submit, as <b>Attachment 24</b> , the Surface Water Monitoring Plan in accordance with 401 KAR 48:300 Section 2. At a minimum, the plan must include:

- - The proposed locations of the monitoring points shown on the site plans. a.
  - A written description of how the monitoring point locations ensure that sampling will characterize b. the quality of the water unaffected by the landfill, as well as determining if water leaving the landfill as surface drainage is contaminated with leachate.
  - A description of sampling protocol and analytical methods to be used. c.
  - A monitoring schedule and list of analytical parameters as required by 401 KAR 48:300 Section 2(3). d.
  - A sample form for reporting results of the analyses to the Division. e.
  - Documentation that the applicant currently holds or has applied for a K.P.D.E.S. permit for all f. structures to be used to control stormwater run-off and all point source discharges.
  - Provide the information requested in Attachment 24A, concerning location of the monitoring g. points.

- 2. Submit, as **Attachment 25**, a Groundwater Monitoring Plan that meets the requirements of 401 KAR 48:300. At a minimum that plan must provide the following information:
  - a. A list and description of the specific aquifer(s) proposed for monitoring.
  - b. The number, location, and depth of proposed monitoring points. Show the locations of the monitoring points on the site plans.
  - c. Provide a brief discussion of the groundwater quality that currently exists based on the Groundwater Quality Characterization required by 401 KAR 47:180.
  - d. Provide a Groundwater Sampling and Analysis Plan which describes the procedures and techniques designed to accurately measure groundwater quality upgradient and downgradient of the waste disposal area. Include a discussion regarding the chain of custody, as well as field and lab quality assurance and quality control. This plan must meet the requirements of 401 KAR 48:300 section 4(3).
  - e. Provide a monitoring schedule and list of analytical parameters in accordance with 401 KAR 48:300 Section 11.
  - f. Provide monitoring well construction specifications which meet the requirements of 401 KAR 48:300 Section 6.
  - g. Is the proposed solid waste disposal site located in karst terrain?\_\_\_\_\_Yes \_\_\_\_\_ No If yes, the groundwater monitoring plan must meet the requirements of 401 KAR 48:300 Section 4(4), including dye trace studies to determine the nature and extent of karst drainage beneath the site and proposed monitoring locations.
  - h. Provide the information requested in **Attachment 25A**, concerning proposed well location and depth.

## H. CLOSURE, CLOSURE CARE AND PERFORMANCE BOND (401 KAR 47:190 SECTION 4)

- 1. Submit, as **Attachment 26**, the specifications of the closure cap as required by 48:080 Section 8, 9, 10 and 11.
- 2. Submit, as **Attachment 27**, the closure plan narrative for 2 years as required by 48:070 Section 15(2) and Section 13(1).
- 3. Describe, in **Attachment 28**, the closure care maintenance for 30 years as required by 48:090 Section 13(2).
- 4. Describe, in **Attachment 29**, the closure cost estimate based on the elements listed in 401 KAR 48:310 Section 2.
- 5. Describe, in **Attachment 30**, the closure-care or post-closure cost estimate based on the elements listed in 401 KAR 48:310 Section 3.

#### I. PUBLIC NOTICE

1. Complete the public notice form in **Attachment 31A or 31B** which complies with 401 KAR 47:140 Section 12(3)(a) and KRS 224.40-310. These mandates require public notice when the review of the technical portion of the application begins. Only those applicants notified by correspondence from the Cabinet may publish the public notice.

S d	Section 12(4) and KRS 224.855. These mandate	<b>32A or 32B</b> which complies with 401 KAR 47:140 es require public notice if the Cabinet makes a preliminary ed a draft document. Only those applicants notified by e public notice.
J. (	CERTIFICATION	
supervisi informati informati aware tha	ion in accordance with a system designed to assition submitted. Based on my inquiry of the persion, the information submitted, to the best of my	nt and all attachments were prepared under my direction or ure that qualified personnel properly gather and evaluate the son or persons directly responsible for gathering the y knowledge and belief, true, accurate and complete. I am false information, including the possibility of fine and
Original	Signature of Responsible Official	Date
Typed Na	ame of Responsible Official	Title
Name of	Applicant, i.e. Corporation or Unit of Government	nent
S	Subscribed and sworn to before me by	
N	Notary Public Signature	
N	My commission expires	

## ATTACHMENT 8A WASTE HANDLING EQUIPMENT

	VASTE HANDLING EQUIPMENT	
SPECIFICATIONS	DESCRIPTION	DESCRIPTION
	(e.g. Dozer #1)	(e.g. Compactor #1)
TYPE		
MAKE		
MAKE		
MODEL		
WODEL		
YEAR		
GROSS WEIGHT		
Willer Wilbert		
WHEEL WIDTH		
WHEEL WEIGHT		
(LBS/IN.)		
MAXIMUM HOURLY		
CAPACITY (TONS/HR)		
(10105/1110)		
PRIMARY OR BACKUP		
CONDITION		
ENGINE HODGEDOWED		
ENGINE HORSEPOWER		
REMARKS		

For additional equipment, reproduce this page and complete for all required equipment

## ATTACHMENT 8B EARTHMOVING EQUIPMENT

SPECIFICATIONS  DESCRIPTION (e.g. Dozer #1)  DESCRIPTION (e.g. Pan #1)  TYPE  MAKE  MODEL  YEAR  ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE  REMARKS	EARTHMOVING EQUIPMENT						
TYPE  MAKE  MODEL  YEAR  ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE	SPECIFICATIONS						
MAKE  MODEL  YEAR  ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE		(e.g. Dozer #1)	(e.g. Pan #1)				
MAKE  MODEL  YEAR  ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE	THE LIDE						
MODEL  YEAR  ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE	TYPE						
MODEL  YEAR  ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
MODEL  YEAR  ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE	MAKE						
YEAR  ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY (APACITY (TONS/HR))  PRIMARY USE  SECONDARY USE	WAKE						
YEAR  ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY (APACITY (TONS/HR))  PRIMARY USE  SECONDARY USE							
YEAR  ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY (APACITY (TONS/HR))  PRIMARY USE  SECONDARY USE	MODEL						
ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
ENGINE HORSEPOWER  HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE	YEAR						
HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
HAULING CAPACITY (TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
(TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE	ENGINE HORSEPOWER						
(TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
(TONS/HOUR)  CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE	HALLING CAPACITY						
CONDITION  MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
MAXIMUM HOURLY CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE	CONDITION						
CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
CAPACITY (TONS/HR)  PRIMARY USE  SECONDARY USE							
(TONS/HR)  PRIMARY USE  SECONDARY USE							
PRIMARY USE  SECONDARY USE							
SECONDARY USE	(TONS/HR)						
SECONDARY USE	PRIMARY USE						
REMARKS	SECONDARY USE						
REMARKS							
REMARKS	DEMARKS						
	KEMARKS						

For additional equipment, reproduce this page and complete for all required equipment

#### **ATTACMENT 16A**

Provide the estimated leachate volume produced by each landfill area and the method utilized for the calculation

LEACHATE SYSTEM	HORIZONTAL SURFACE	-	LEACHATE PROD (MAXIMUM'S CALO	OUCED CULATED)	COLLECTION	FREQUENCY OF	WASTEWATER
	AREA	DURING OPERATION GALLONS/DAY	LONG TERM COVERING GALLONS/DAY	FINAL COVER GALLONS/DAY	TANK CAPACITY (GALLONS)	LEACHATE REMOVAL	TREATMENT PLANT NAME
Describe m	ethod of calculati	on.					

(If more space is needed, attach extra sheet of paper)

#### ATTACHMENT 24A SURFACE WATER MONITORING PLAN

Provide the information requested below:

Monitoring Station I.D.	Location Description	Latitude	Longitude	

#### ATTACHMENT 25A GROUNDWATER MONITORING WELL LOCATION AND DEPTH

Provide the information requested in the chart below:

MONITORING STATION I.D.	LATITUDE	LONGITUDE	STATION TYPE WELL OR SPRING	AQUIFER	ELEVATION OF SPRING OR TOP OF WELL CASING	DEPTH OF WELL	DEPTH OF WATER

#### **ATTACHMENT 31A**

#### **PUBLIC NOTICE**

PURSUANT	TO APPLICATION	NUMBER:		
THE NATURAL RESOURCES A MANAGEMENT HAS DETERMINED T BE COMPLETE AND HAS RECEIVED	HE ADMINISTRAT	VE PORTION OF PE	RMIT APPLICAT	ΓΙΟΝ ΝΟTΟ
THE NAME AND ADDRESS OF	F THE PERMIT APP	LICANT IS:		
	CONTACT PERSO	N:		
THE PERMIT APPLICANT PRO ACCEPT THE FOLLOWING TYPES OF THE FOLLOWING SOURCES:	WASTES:			FROM
THE PROPOSED FACILITY IS COUNTY. THE PROPOSED FACILITY	LOCATED NEAR _ MAY BE ACCESSE	D FROM	IN	BY TRAVELLING
THE PERMIT APPLICATION IS DIVISION OF WASTE MANAGE SOLID WASTE BRANCH 18 REILLY ROAD FRANKFORT, KENTUCKY 40	GEMENT	D AT THE FOLLOWI	NG LOCATION:	
INTERESTED PERSONS MAY OF WRITING TO THE OFFICE PROCESTELEPHONE AT (502) 564-6716.				
AN EXECUTIVE SUMMARY D PUBLIC REVIEW AT THE OFFICE OF COUNTY COURTHOUSE, MONDAY T THE OFFICIAL STATE HOLIDAYS.	THE	COUNTY JUDGE	EXECUTIVE,	

PUBLICATION OF THIS NOTICE PURSUANT TO KRS.224.40-310.

#### **ATTACHMENT 31B**

#### **PUBLIC NOTICE**

PURSUANT T	TO APPLICATION NUMBER	:	
THE NATURAL RESOURCES AN MANAGEMENT HAS DETERMINED THE BE COMPLETE AND HAS RECEIVED TO	E ADMINISTRATIVE PORT	ION OF PERMIT APPLICAT	ΓΙΟΝ ΝΟTΟ
THE NAME AND ADDRESS OF	THE PERMIT APPLICANT IS	S:	
-	CONTACT PERSON:		
THE PERMIT APPLICANT PROF	POSES TO CONSTRUCT ANI NG TYPES OF WASTES:	O OPERATE AN EXPANSIO	
			·
THE PROPOSED EXPANSION IS THE PROPOSED FACILITY MAY BE AC	LOCATED NEAR CCESSED FROM	IN BY TRAVELLING	COUNTY.
THE PERMIT APPLICATION IS INDIVISION OF WASTE MANAGES SOLID WASTE BRANCH 18 REILLY ROAD FRANKFORT, KENTUCKY 406	EMENT	FOLLOWING LOCATION:	
INTERESTED PERSONS MAY O BY WRITING TO THE OFFICE PROCESS TELEPHONE AT (502) 564-6716.			
AN EXECUTIVE SUMMARY DE PUBLIC REVIEW AT THE OFFICE OF T COUNTY COURTHOUSE, MONDAY THE OFFICIAL STATE HOLIDAYS.			

PUBLICATION OF THIS NOTICE PURSUANT TO KRS.224.40-310.

#### **ATTACHMENT 32A**

#### **PUBLIC NOTICE**

PURSUANT TO APPLICATION NUMBER:
THE NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET, DIVSION OF WASTE MANAGEMENT HAS MADE A PRELIMINARY DETERMINATION TO ISSUE A PERMIT FOR A CONTAINED SOLID WASTE DISPOSAL FACILITY.
THE NAME AND ADDRESS OF THE PERMIT APPLICANT IS:
CONTACT PERSON:
THE PROPOSED PERMIT WOULD ALLOW FOR THE CONSTRUCTION OF A CONTAINED LANDFILL TO ACCEPT THE FOLLOWING TYPES OF WASTES: FROM THE FOLLOWING SOURCES:
THE PROPOSED FACILITY IS LOCATED INCOUNTY. THE PROPOSED FACILITY MAY BE ACCESSED FROMBY TRAVELLING
AND WOULD AFFECT APPROXIMATELY ACRES.
THE PROPOSED PERMIT IS BEING PROCESSED AT THE FOLLOWING LOCATION: DIVISION OF WASTE MANAGEMENT SOLID WASTE BRANCH 18 REILLY ROAD FRANKFORT, KENTUCKY 40601 FURTHER INFOMATION CONCERNING THE PROPOSED PERMIT MAY BE OBTAINED FROM THE BRANCH MANAGER, AT THE ADDRESS SHOWN ABOVE, OR BY TELEPHONE AT (502) 564-6716.
THE PROPOSED PERMIT, FACT SHEET AND APPLICATION (ADMINISTRATIVE RECORD) ARE ALSO ON FILE FOR OUBLIC INSPECTION AT THE OFFICE OF THECOUNTY JUDGE/EXECUTIVE,COUNTY COURTHOUSE, MONDAY THRU, FROMAM TOPM, EXCEPT FOR THE OFFICIAL STATE HOLIDAYS. ALL DATA SUBMITTED BY THE APPLICANT ARE AVAILABLE AS PART OF THE ADMINISTRATIVE RECORD.
ANY PERSON WHO MAY BE AGGRIEVED BY THE ISSUANCE OF A PERMIT FOR THIS PROPOSED WASTE FACILITY MAY FILE WITH THE CABINET A PETITION WHICH SETS FORTH THE GROUNDS OF THE OBJECTION AND DEMANDS A HEARING PURSUANT TO KRS 224.10-420.
ANY COMMENTS, OBJECTIONS, OR PETITION REQUESTS FOR A HEARING PURSUANT TO KRS 224.10-240 MUST BE FILED WITH THE DIRECTOR OF THE DIVISION OF WASTE MANAGEMENT, 18 REILLY ROAD, FRANKFORT, KENTUCKY 40601 WITHIN THIRTY (30) DAYS OF TODAY'S DATE. PLEASE REFERENCE APPLICATION NO

PUBLICATION OF THIS NOTICE IS PURSUANT TO KRS.224.40-310 AND 401 KAR 47:140.

#### **ATTACHMENT 32B**

#### **PUBLIC NOTICE**

PURSUANT '	TO APPLICATION NUMBER: $\_$	
THE NATURAL RESOURCES A MANAGEMENT HAS MADE A PRELIM		CTION CABINET, DIVSION OF WASTE PERMIT NO
THE NAME AND ADDRESS OF	THE PERMIT APPLICANT IS:	
	CONTACT PERSON:	
EXPANSION TO ACCEPT THE FOLLOW	WING TYPES OF WASTES:	UCTION OF A CONTAINED LANDFILL FROM
THE FOLLOWING SOURCES: THE RATE OF DISPOSAL WOULD BE A	APPROXIMATELY	TONS PER DAY.
THE PROPOSED FACILITY IS I FACILITY MAY BE ACCESSED FROM	LOCATED INBY TRAVELLI	COUNTY. THE PROPOSED
AND WOULD AFFECT APPROXIMATE	CLY ACRES.	
THE PROPOSED PERMIT IS BE DIVISION OF WASTE MANAGE SOLID WASTE BRANCH 18 REILLY ROAD FRANKFORT, KENTUCKY 400 FURTHER INFORMATION COMMANAGER, AT THE ADDRESS SHOWN	<b>GEMENT</b> <b>601</b> NCERNING THE PROPOSED PEI	RMIT MAY BE OBTAINED FROM THE BRANCH
FILE FOR OUBLIC INSPECTION AT THCOUNTY COU	IE OFFICE OF THE URTHOUSE, MONDAY THRU _ CIAL STATE HOLIDAYS. ALL	ADMINISTRATIVE RECORD) ARE ALSO ONCOUNTY JUDGE/EXECUTIVE,, FROMAM TO DATA SUBMITTED BY THE APPLICANT ARE
	NET A PETITION WHICH SETS	OF A PERMIT FOR THIS PROPOSED WASTE FORTH THE GROUNDS OF THE OBJECTION
ANY COMMENTS, OBJECTION MUST BE FILED WITH THE DIRECTOR FRANKFORT, KENTUCKY 40601 WITH		OR A HEARING PURSUANT TO KRS 224.10-240

PUBLICATION OF THIS NOTICE IS PURSUANT TO KRS.224.40-310 .